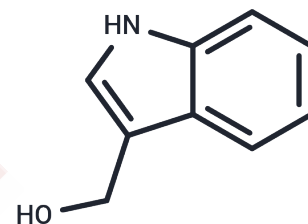


Indole-3-carbinol

Chemical Properties

CAS No. :	700-06-1
Formula:	C ₉ H ₉ NO
Molecular Weight:	147.17
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Indole-3-carbinol (IBC), a naturally occurring, orally available cleavage product of the glucosinolate glucobrassicinin, inhibits NF-κB and IκBα kinase activation.
Targets(IC50)	E1/E2/E3 Enzyme,NF-κB,Aryl Hydrocarbon Receptor,Endogenous Metabolite,p53

Solubility Information

Solubility	DMSO: 250 mg/mL (1698.72 mM),Sonication is recommended. Ethanol: 28 mg/mL (190.26 mM),Sonication is recommended. H2O: 7 mg/mL (47.56 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (6.79 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7949 mL	33.9743 mL	67.9486 mL
5 mM	1.359 mL	6.7949 mL	13.5897 mL
10 mM	0.6795 mL	3.3974 mL	6.7949 mL
50 mM	0.1359 mL	0.6795 mL	1.359 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lin H, et al. Biochem Biophys Res Commun. 2015 May 1;460(2):422-7.

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